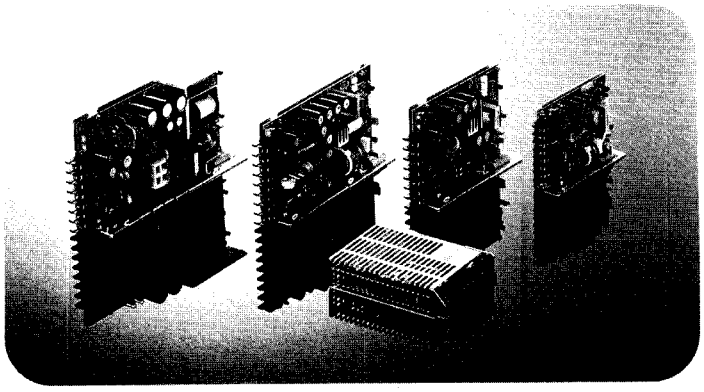
Volgen *Quality First*

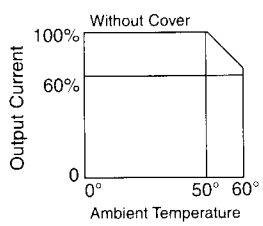
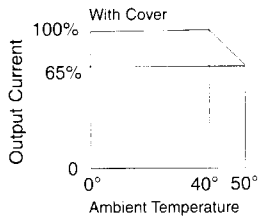
PRK SERIES

Triple Output Models



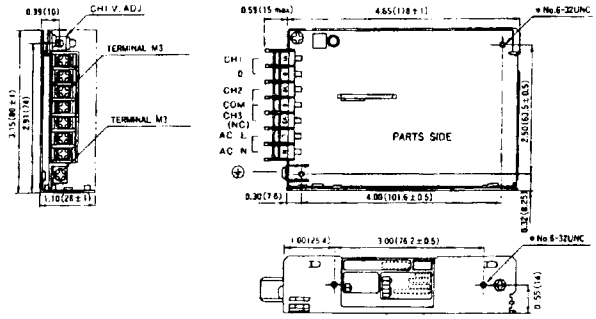
Features:

- **15W, 30W, 50W & 70W Triple Output Models**
- AC Input for U.S. & Canada (AC85-132V)
- Safety Approvals: UL , CSA
- EMI: FCC Class B
- Metal Chassis with Cover
- High Reliability
- Low Cost, High Performance
- Compact Size and Low Profile
- Three Year Warranty

Specifications:	
INPUT VOLTAGE	100 - 120VAC (AC85 - 132V, DC: 110-170V)
INPUT FREQUENCY	50/60 Hz (47 ~ 63 Hz)
EFFICIENCY	PRK 15U:64%(TYP), PRK30U: 65%(TYP), PRK50U: 70% (TYP), PRK70U:73% (TYP)
INPUT CURRENT	PRK15: 04A, PRK30: 0.7A, PRK50: 1.2A, PRK70: 1.4A
INRUSH CURRENT	PRK 15U:12A(max), PRK30U/50U/70U:35A(max) at 100 VAC cold start
OUTPUT ADJUST RANGE	CH1 +5%, -0% CH2, CH3: FIX
LINE REGULATION	0.4% MAX.
LOAD REGULATION	PRK 15U CHI: 0.8% MAX. CH2,3: 1.0% MAX. PRK30U/50U CH1: 0.8% MAX. CH2: 1.2% MAX. CH3: 1.0% MAX, PRK70U CH1: 0.8% MAX. CH2: 2.0% MAX. CH3: 1.2% MAX.
RIPPLE/NOISE (DC~100 Mhz)	PRK15U/30U/50U/: 5V:80mVp-p, ±12V ±15V 100mVp-p PRK 70U: 5V:80mVp-p, ±12, ±15V:120mVp-p
OVER VOLTAGE PROTECTION	Built-in (CH1 only)
OVER CURRENT PROTECTION	Built-in
TEMPERATURE COEFFICIENT	0.02%/°C
DRIFT	0.5% + 15mV/8hours (after 1 hour warm-up)
RISE TIME	100MS MAX.
HOLD-UP TIME	20MS (TYP)
OPERATING TEMPERATURE	0°C TO + 60°C  
STORAGE TEMPERATURE	-20 - 85°C
HUMIDITY	25 - 85% RH (Non Condensing)
DIELECTRIC WITHSTANDING VOLTAGE	Primary - Secondary: AC 1500v/ 1 min. Primary - Case: AC 1500v/ 1 min. (cut off current: 20mA) Secondary - Case: AC 500v/ 1min.
LEAKAGE CURRENT	0.5mA (max.)
ISOLATION RESISTANCE	Primary to Secondary to Case 100M ohm (DC500v)
SHOCK TEST PROCEDURES	Vibration: 0.5mm width, 10 - 55 Hz / 1 min. cycle, 3 directions each 30 minutes Shock: 20G (3 directions each 3 times)
WARRANTY	3 Years

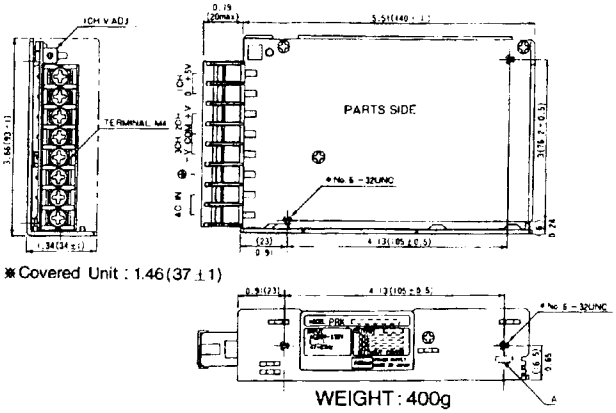
MODEL	OUTPUT		OUTPUT		OUTPUT	
	VOLT	AMPS	VOLT	AMPS	VOLT	AMPS
PRK15U-1212	5V	0.1~2.5A	12V	0.3A	-12V	0.3A
PRK15U-1515	5V	0.1~2.5A	15V	0.3A	-15V	0.3A
PRK30U-1212	5V	0.5~3A	12V	1.2A	-12V	0.5A
PRK30U-1515	5V	0.5~3A	15V	1.2A	-15V	0.5A
PRK50U-1212	5V	0.5~5A	12V	1.5A	-12V	0.5A
PRK50U-1515	5V	0.5~5A	15V	1.2A	-15V	0.5A
PRK70U-1212	5V	1.5~5A	12V	2.5A	-12V	1.0A
PRK70U-1515	5V	1.5~5A	15V	2.0A	-15V	1.0A

●PRK15U



WEIGHT : 200g

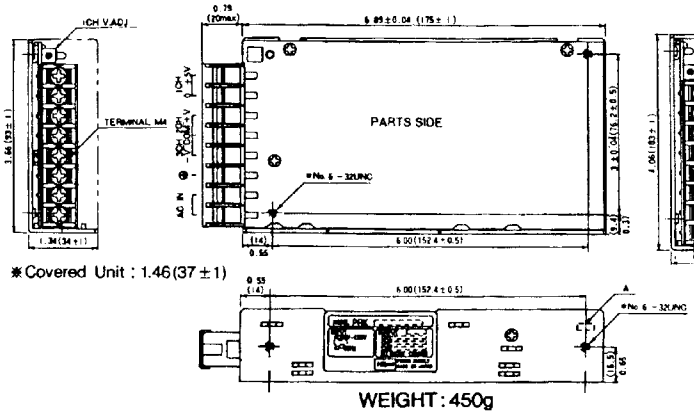
●PRK30U



※Covered Unit : 1.46(37 ± 1)

WEIGHT : 400g

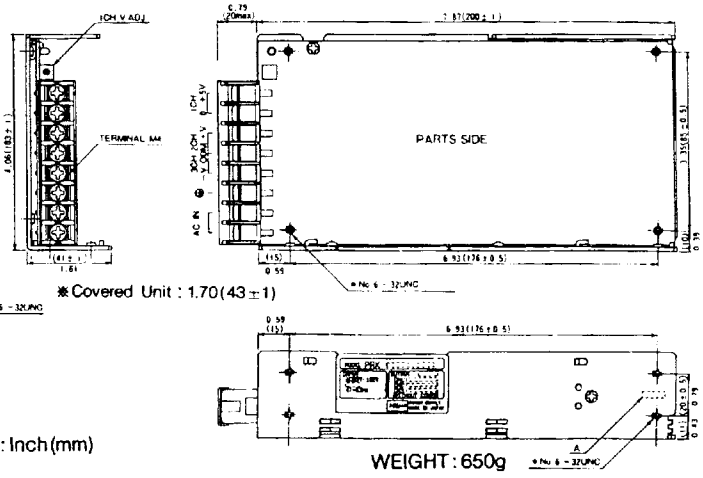
●PRK50U



※Covered Unit : 1.46(37 ± 1)

WEIGHT : 450g

●PRK70U



※Covered Unit : 1.70(43 ± 1)

WEIGHT : 650g

UNIT : Inch(mm)

PRK 30U 1212

- 1212 — CH2, CH3 OUTPUT VOLTAGE (±12V)
- 30U — OUTPUT WATTAGE (30W)
- PRK — SERIES